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Montana Oil and Gas STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XIII, No. 12 — 3 — December, 1965

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1965, averaged 91,874 barrels daily, a decrease of 4,907 barrels from the average November production of 96,781.

The nine refineries in state processed 93,245 barrels of crude oil daily for the month of December, 1965, an increase of 475 barrels from the 92,770 barrels processed daily during the month of November, 1965.

During December, 49 wells were completed, 16 oil, 2 gas wells and 31 dry holes.

During December, the commission issued 61 permits to drill new wells, a decrease of 8 from 69 permits issued during November.

SUMMARY OF CRUDE OIL PRODUCTION REFINING STORAGE, ETC., IN MONTANA

MONTH OF DECEMBER, 1965

IN STORAGE DECEMBER 1st:	
By Producers	368,003
By Transporters	1,017,057
By Refiners	534,417
TOTAL STORAGE	1,919,477
Produced in Montana During Month	2,848,101
Imported During Month	1,864,366
TOTALS	6,631,944
DISPOSITION:	
Refined in Montana	2,890,604
Exported	1,948,351
Used for Fuel or Lost	16,144
TOTAL	4,855,099
IN STORAGE DECEMBER 31st:	
By Producers	331,221
By Transporters	946,634
By Refiners	498,990
TOTAL STORAGE	1,776,845

NATURAL GAS WITHDRAWALS IN MONTANA

Month of December, 1965

Field	M Cu. Ft.
Bears Den	0
Big Coulee	127,048
Bowdoin	278,508
Bowes	49,732
Cabin Creek	100,961
Cedar Creek	319,104
Cut Bank (Including Regan)	798,790
Devon	0
Dry Creek	156,003
Elk Basin	28,685
Flat Coulee	4,599
Gold Butte	0
Golden Dome	0
Grandview	0
Hardin	2,261
Keith Block	500,614
Kevin Sunburst	87,072
Lake Basin	125,416
Middle Butte	3,724
Mt. Lilly	26,393
Pine	62,055
Plevna	15,021
Utopia	101,842
Whitlash	155,169
Miscellaneous	119,151
TOTAL	3,062,148

Total withdrawals for December, 1964 were 3,061,158 M Cu. Ft.

PRODUCERS REPORT—MONTH OF DECEMBER, 1965

Lease	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Ash Creek	5	750	5,765	.....	5,853	.....	662
4	Bannatyne	6	977	989	.....	783	.....	1,183
1	Bascom	1	133	112	.....	.....	.....	245
4	Bear's Den	5	1,902	1,807	.....	2,487	.....	1,222
1	Belfry	1	44	205	.....	.....	.....	249
1	Benrud	1	432	3,929	3,915	.....	.....	446
1	Benrud East	1	1,477	9,719	10,711	.....	.....	485
1	Benrud Northeast	1	729	14,210	14,253	.....	.....	686
8	Big Wall	20	2,066	17,184	16,721	.....	.....	2,529
7	Blackfoot	10	1,391	4,249	1,095	2,709	.....	1,836
1	Blackfoot East	1	445	58	.....	.....	.....	503
5	Border	5	.....	1,664	.....	1,664	.....	.....
1	Bowes	52	6,298	13,273	13,160	.....	.....	6,411
2	Bradley	2	720	924	1,124	.....	.....	520
2	Brady	4	57	390	375	.....	.....	72
1	Bynum	1	271	.....	.....	.....	.....	271
2	Cabin Creek	109	6,067	200,166	199,969	.....	.....	6,264
15	Cat Creek	95	3,430	14,962	15,961	.....	.....	2,431
1	Clark's Fork	1	243	84	.....	100	.....	227
....	Clark's Fork North	....	303	.....	.....	.....	303	.....
3	Conrad South	4	1,013	895	1,101	.....	.....	807
1	Cupton	1	1,215	1,069	.....	1,142	.....	1,142
168	Cut Bank	1,318	103,820	311,140	294,923	17,733	3,199	99,105
3	Deer Creek	4	2,269	3,596	4,566	.....	.....	1,299
1	Delphia	1	203	355	.....	397	.....	161
....	Devil's Basin	....	451	.....	.....	.....	.....	451
1	Dry Creek	1	137	454	.....	480	.....	111
13	Dwyer	14	7,787	28,990	30,434	.....	44	6,299
4	Elk Basin	52	1,909	242,640	242,809	.....	.....	1,740
5	Elk Basin Northwest	16	3,071	27,120	.....	27,674	.....	2,517
1	Fairview	1	783	17,545	.....	17,775	.....	553
3	Fertile Prairie	3	1,047	2,343	1,129	1,377	.....	884
25	Flat Coulee	28	4,784	28,550	26,038	2,413	.....	4,883
23	Flat Lake	35	10,590	110,417	111,657	.....	125	9,225
2	Frannie	2	.....	1,159	1,159	.....	.....	.....
13	Fred & George Creek	32	2,074	132,033	130,286	1,795	7	2,019
1	Gage	1	110	145	.....	188	.....	67
1	Gage Southwest	1	369	55	.....	305	.....	119
4	Gas City	27	8,244	51,303	52,745	3,056	.....	3,746
9	Glendive	14	3,817	33,122	25,265	7,937	.....	3,737
17	Goose Lake	20	3,699	62,810	62,851	.....	144	3,514
7	Graben Coulee	13	3,959	4,394	4,552	1,413	.....	2,388
....	Grandview	....	112	.....	.....	.....	.....	112
5	Gypsy Basin	7	2,166	3,134	.....	610	665	4,025
1	Hibbard	1	172	634	.....	399	.....	407
8	Ivanhoe	11	2,703	21,925	20,646	.....	60	3,922
9	Keg Coulee	22	4,915	24,937	24,081	.....	.....	5,771
2	Keg Coulee North	2	679	3,316	3,111	.....	.....	884
130	Kevin Sunburst	738	17,528	36,175	36,040	.....	.....	17,663
2	Little Beaver	25	3,176	25,924	25,468	671	832	2,129
2	Little Beaver East	14	2,716	20,434	22,068	.....	.....	1,082
2	Lodge Grass	2	1,413	1,880	.....	2,344	.....	949
3	Lone Tree	3	1,263	6,144	.....	6,313	.....	1,094
23	Lookout Butte	69	5,066	120,076	120,422	.....	1,525	3,195
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Mason Lake	2	420	1,950	2,325	.....	.....	45
2	Melstone	5	640	2,972	2,157	.....	.....	1,455
1	Mineral Bench	1	323	5,709	5,507	.....	.....	525
6	Monarch	13	3,257	13,474	14,834	.....	.....	1,897
4	Moser	4	.....	781	.....	781	.....	.....
....	Musselshell	....	146	.....	.....	.....	146	.....
7	Outlook	12	8,052	51,111	51,871	.....	.....	7,292
2	Outlook South	2	1,345	2,413	2,173	.....	.....	1,585
66	Pennel	111	4,291	190,042	189,366	.....	199	4,768
4	Pine	126	14,770	338,784	339,341	.....	.....	14,213
4	Pole Creek	6	1,129	2,204	.....	2,239	.....	1,094
70	Pondera	309	8,644	31,883	33,127	.....	77	7,323
5	Poplar East	73	12,721	84,143	87,279	.....	229	9,356
4	Poplar Northwest	4	2,490	1,977	2,993	.....	.....	1,474
1	Prairie Elk	1	1,100	769	.....	810	.....	1,059
4	Ragged Point	15	3,592	3,643	4,606	.....	.....	2,629
1	Ranch Creek	1	537	2,010	.....	1,939	.....	608
2	Reagan	41	2,512	16,934	16,623	.....	.....	2,823
1	Red Creek	27	151	25,922	25,196	159	.....	718
1	Redstone	1	811	949	1,502	.....	.....	258
1	Repeat	1	410	828	.....	780	.....	458
5	Richey	5	1,774	1,702	741	.....	25	2,710
6	Richey Southwest	7	3,350	11,630	.....	11,623	.....	3,357
4	Sand Creek	5	.....	4,199	4,199	.....	.....	.....
1	Shotgun Creek	1	186	260	.....	.....	.....	446
3	Sidney-Brorson	3	2,717	3,264	1,486	2,305	.....	2,190
2	Snyder	4	1,410	622	.....	379	.....	1,653
5	Soap Creek	9	6,808	4,979	.....	7,193	88	4,506
2	Spring Lake	3	4,173	5,777	.....	7,360	.....	2,590
2	Stensvad	24	4,957	29,018	29,897	.....	35	4,043
28	Sumatra	83	10,919	74,156	73,885	.....	.....	11,190
5	Tule Creek	7	2,970	48,183	.....	48,316	.....	2,837
2	Tule Creek East	2	1,177	33,617	34,580	.....	.....	214
1	Tule Creek South	1	622	4,459	.....	4,394	.....	687
2	Vida	2	741	2,772	.....	2,834	.....	679
4	Volt	6	2,643	16,020	16,317	.....	.....	2,346
6	Weldon	14	7,998	144,224	84,608	60,884	.....	6,730
14	Whitlash	41	7,306	30,526	27,229	3,736	.....	6,867
....	Whitlash West	....	140	.....	.....	.....	.....	140
2	Wills Creek South	2	879	8,951	8,736	.....	.....	1,094
9	Wolf Springs	15	6,778	25,729	29,248	.....	.....	3,259
2	Woodrow	3	545	3,443	3,856	.....	.....	132
....	Wildcat, Carbon County	....	50	.....	.....	.....	.....	50
1	Wildcat, Glacier County	1	286	455	.....	635	.....	106
1	Wildcat, Liberty County	1	286	19	.....	.....	.....	305
1	Wildcat, Roosevelt County	1	182	833	.....	878	.....	137
1	Wildcat, Sheridan County	1	.....	361	.....	.....	.....	361
849	Totals	3,799	368,003	2,848,101	2,612,317	264,863	7,703	331,221

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1964	30,647,498	83,965	30,604,009	83,846
First Quarter, 1965	7,583,264	84,258	7,566,682	84,074
Second Quarter, 1965	7,921,981	87,054	7,941,312	87,267
Third Quarter, 1965	8,582,252	93,285	8,584,638	93,311
October, 1965	2,939,073	94,808	2,946,329	95,042
November, 1965	2,903,447	96,781	2,871,507	95,716
December, 1965	2,848,101	91,874	2,877,180	92,812

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1964	369,139	933,819	508,411	1,811,369
First Quarter, 1965	376,346	986,628	704,702	2,067,676
Second Quarter, 1965	353,225	1,100,388	612,787	2,066,400
Third Quarter, 1965	347,778	1,052,680	403,618	1,804,076
October, 1965	338,686	1,088,796	538,993	1,966,475
November, 1965	368,003	1,017,057	534,417	1,919,477
December, 1965	331,221	946,634	498,990	1,776,845

*Includes Wyoming Oil

TRANSPORTERS MONTHLY REPORT—MONTH OF DECEMBER, 1965

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			5,853				5,853		
BANNATYNE—Truck			783			783			
BEAR'S DEN—Truck			2,487					2,487	
BIG WALL—Continental Pipeline Co.		16,721				16,721			
BLACKFOOT—									
Union Oil Co.		1,095						1,095	
Thompson Crude Purchasing			2,709					2,709	
		1,095	2,709					3,804	
BORDER—Truck			1,664				1,664		
BOWES—Texaco Inc.		13,160				13,160			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	308,919	728,584	95,508	879,574			1,664,066		348,519
Shell Pipeline Co.	3,835	322,225		1,022	1,391			320,492	5,199
	312,754	1,050,809	95,508	880,596	1,391		1,664,066	320,492	353,718
CAT CREEK—Continental Pipeline Co.		14,053				14,053			
CLARK'S FORK—Truck			100				100		
CUT BANK									
Darling Gathering System, Inc.	10,681	16,878						21,289	6,270
Continental Pipeline Co.			24,123	465,295		489,418			
Phillips Petroleum Co.	86,584	66,383		90,132	432	119,606		45,360	77,701
Texas Pipeline Co.	24,508	51,908		16,793	297			76,985	15,927
Union Oil Co.	90,592	78,941		20,320	726	106,023			83,104
Western Oil Transportation Co.	44,578	63,325		110,492	633			196,722	21,040
Western Oil Trans. (Moulton)		84,593			846			83,747	
Portal Pipeline Co.		24,266					24,266		
	256,943	386,294	24,123	703,032	2,934	715,047	24,266	424,103	204,042
DELPHIA—Truck			397			397			
DRY CREEK—Truck			480			480			
DWYER—Portal Pipeline Co.		30,957					30,957		
ELK BASIN—Marathon Pipeline Co.		269,132				269,132			
ELK BASIN NORTHWEST—Truck			27,674				27,674		
FAIRVIEW—									
Rock Island Oil & Ref. Co.			17,775				17,775		
FLAT COULEE—									
Camerland Cardinal Corp.	3,000	24,444						24,444	3,000
FLAT LAKE—Portal Pipeline Co.		111,508					111,508		
FRANNIE—Interstate Pipeline Co.		1,159					1,159		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	14,605	128,720				3,856		138,907	562
GAGE & GAGE S.W.—Truck			493			493			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	7,690	41,536			(388)			42,373	7,241
GOOSE LAKE—Portal Pipeline Co.		61,280					61,280		
HIBBARD—Truck			399			399			
IVANHOE—Continental Pipeline Co.		20,498				17,231	3,267		
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		26,819				26,819			
KEVIN SUNBURST—									
Big West Oil Co.	5,155	59,427				61,486			3,096
Homestake Oil & Gas Co.	5,035	2,474		21,289		25,222			3,576
Texas Pipeline Co.	10,744	13,747			221			16,793	7,477
	20,934	75,648		21,289	221	86,708		16,793	14,149
LODGE GRASS—McWood Corp.			2,344			2,344			
LONE TREE—Truck			6,313				6,313		
MASON LAKE—Continental Pipeline Co.		2,324				2,324			
MELSTONE—Continental Pipeline Co.		2,157				2,157			
MOSSER—Truck			781				781		
POLE CREEK—Truck			2,239				2,239		
PONDERA—Phillips Petr. Co.	22,376	34,353			1,211	28,116			27,402
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, REDSTONE, TULE CREEK, TULE CREEK EAST & SIDNEY-BRORSON—									
East Poplar Gathering System	35,142	260,097			700			274,634†	19,905
RAGGED POINT—									
Continental Pipeline Co.		1,140				1,140			
RANCH CREEK—									
Rock Island Oil & Ref. Co.			1,939				1,939		
RED CREEK—									
Western Oil Transportation Co.		25,355			253			25,102	
SIDNEY-BRORSON—McWood Corp.	8,656		2,305	4,281				8,415	6,827
SNYDER—Truck			379			379			
SOAP CREEK—									
McWood Corp.	2,119		6,815	1,290				5,157	5,067
Northwest Crude, Inc.			378					378	
	2,119		7,193	1,290				5,535	5,067
SPRING LAKE—									
Rock Island Oil & Ref. Co.			7,360				7,360		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	327,060	107,251		412,838	1,557	103,782		443,170	298,640
TULE CREEK—Tesoro Petr. Corp.	5,778		48,316	2,222		50,235			6,081
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		20,283				20,283			
Thompson Crude Purchasing			3,736			3,736			
		20,283	3,736			24,019			
WOLF SPRINGS—									
Continental Pipeline Co.		26,508				26,508			
WILDCAT WELLS—Truck			1,513			1,513			
TOTALS	1,017,057	2,753,301	264,863	2,025,548	7,879	1,407,796	1,968,201	1,730,259	946,634

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF DECEMBER 1965

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall				16,721						16,721
Bowes			12,962							12,962
Cat Creek		5,670		3,769		1,698				11,137
Cut Bank						57	118,251		86,086	204,394
Delphia						248				248
Devil's Basin						33				33
Dry Creek						15				15
Elk Basin		99,677		65,221	104,234					269,132
Fred & George Creek	3,856			138,907						142,763
Gage & Gage S.W.						492				492
Hibbard						340				340
Ivanhoe		17,231								17,231
Keg Coulee				26,819						26,819
Kevin Sunburst	63,320								18,296	81,616
Lodge Grass		2,344								2,344
Mason Lake		2,324								2,324
Melstone				2,157						2,157
Pondera							28,116			28,116
Ragged Point		1,140								1,140
Red Creek					13,570					13,570
Richey Southwest						508				508
Snyder		379								379
Sumatra & Stensvad		20,147		64,843	18,792					103,782
Tule Creek								53,902		53,902
Whitlash	24,019									24,019
Wolf Springs					10,094					10,094
Total Montana Oil	91,195	148,912	12,962	318,437	146,690	3,391	146,367	53,902	104,382	1,026,238
Canadian Oil Imported		463,290							2,005	465,295
Wyoming Oil Imported		381,004		268,049	749,949	69				1,399,071
Total Montana, Canadian and Wyoming Oil	91,195	993,206	12,962	586,486	896,639	3,460	146,367	53,902	106,387	2,890,604

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1964	33,677	10,963	43,051	87,691
December, 1964	33,730	17,341	47,262	98,333
December, 1965	33,104	15,010	45,131	93,245

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1964	38.40%	12.51%	49.09%
December, 1964	34.30%	17.64%	48.06%
December, 1965	35.50%	16.10%	48.40%